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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/574,165

05/18/2000

Gary S. Burd

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LEE & HAYES PLLC

421 W RIVERSIDE AVENUE SUITE 500

SPOKANE, WA 99201

EXAMINER

NARAYANASWAMY, SINDYA

ART UNIT

PAPER NUMBER

2154

10

DATE MAILED: 06/06/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

PR4

Office Action Summary

Application N .

09/574,165

Applicant(s)

BURD ET AL.

Examiner

Sindya Narayanaswamy

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 February 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3,6,5,9 . 6) ☐ Other: _____

DETAILED ACTION

1. Claims 1 - 20 are presented for examination.

Claim Rejections - 35 USC § 102(b)

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102(b) that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless – (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-4, 7, 12, and 16-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Ferris, WO 98/44695.

my Ferris was cited in IDS #6, filed on 5/13/02.

4. As per claims 1, 16 and 17 Ferris teaches the method, signal and computer program storage medium for performing server-side processing of postback input received from a client and associated with a client-side user interface element (pressing of a button on browser display), the method comprising: examining the postback input to determine an identifier of a target server-side control object (Association); identifying the target server-side control object (Action Controller) based on the identifier of the target server-side control object; passing the postback input to the target server-side control object; and processing the postback input passed to the target server-side control object (page 8, line 19-page 9, line 10).

5. As per claim 2, Ferris teaches the method wherein the processing operation comprises changing a property of the target server-side control object; and further comprising: generating

authoring language data from the target server-side control object based on the property to define the client-side user interface element (browser's display) for transmission to the client (update displays using new values) (page 9, lines 3-10).

6. As per claim 3, Ferris teaches the method wherein the processing operation comprises raising a server-side event from the target server-side control object; and further comprising: generating authoring language data from the target server-side control object based on the property to define the client-side user interface element for transmission to the client (page 9, lines 3-10).

7. As per claim 4, Ferris teaches the method creating a plurality of server-side control objects in a server-side control object hierarchy (classes of associations) prior to the operation of processing the postback input; and terminating the plurality of server side control objects, after the operation of generating authoring language data (page 22, lines 8-25).

8. As per claim 7, Ferris teaches the method wherein the operation of processing the postback input comprises: storing a postback data value (enabled or disabled) as a property the target server-side control object (page 24, lines 10-19).

9. As per claim 12, Ferris teaches the method wherein the operation of processing the postback input comprises: processing a postback event using the target server-side control object (page 8, line 19-page 9, line 10).

10. As per claim 18, it is rejected on the same basis as claims 1 and 2.

11. As per claim 19, it is rejected on the same basis as claim 1.

Claim Rejections - 35 USC § 103

12. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time of the invention the invention was made to a person having ordinary skill in the art at the time of the invention to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

13. Claims 5, 6, 8-11, 13-15 and 20 are rejected as being unpatentable over Ferris, WO 98/44695.

14. As per claim 5, Ferris does not specifically teach the method comprising: searching for the target server-side control object in a server-side control hierarchy based on the identifier; creating the target server-side control object in the server-side control hierarchy, if the target server-side control object is not found by the searching operation; and terminating the server-side control hierarchy, after the operation of generating authoring language data. However, it would have been obvious to one ordinary skill in the art at the time of the invention to extend the

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teachings of Ferris to include the above in order to create a complete system that searches for the appropriate control object and creates objects as necessary.

15. As per claim 6, Ferris does not teach the method wherein the identifier has a hierarchical identifier structure indicating a plurality of levels in a server-side control object hierarchy including a plurality of member server-side control objects, and the operation of identifying the target server-side control object comprises: extracting a node level identifier from the identifier; passing the node level identifier to a member server-side control object corresponding to the node level identifier; identifying the member server-side control object as the target server-side control object, if the node level identifier identifies a leaf node of the identifier; extracting a next node level identifier from the identifier of the target server-side control object, if the node level identifier does not identify a leaf node of the identifier, wherein the next node level identifier identifies a child server-side control object of the member server-side control object; and performing recursively the passing and identifying operations and the operation of extracting a next node level identifier using the next node level identifier as the node level identifier and the child server-side control object as the member server-side control object, if the node level identifier does not identify a leaf node of the identifier. However, it would have been obvious to one of ordinary skill in the art to extend the teaching of Ferris to include the above in order to create a system with hierarchical identifiers in order to provide a method to identify target server-side control objects quickly.

16. As per claim 8, Ferris does not teach the method wherein the target server-side control object initially stores an old data value as a property, and the operation of storing a postback data value comprises: associating the postback data value with the property; indicating a data change associated with the target server-side control object, if the postback data value passed to the target server-side control object is different than the old data value of target server-side control object; and replacing the old data value with the postback data value in the target server-side control object. However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to extend the teachings of Ferris in order to create a system where old data values are indicated and replaced in order to maintain an up to date system.

17. As per claim 9, Ferris does not teach the method comprising: raising a server-side data change event after the operation of replacing of the old data value, if a data change indicated. However, it would have been obvious to one ordinary skill in the art at the time the invention was made to extend the teachings of Ferris to create a system where a server-side data change event is raised after an old data value is replaced.

18. As per claim 10, Ferris does not teach the method wherein the target server-side control object is one of a plurality of member server-side control objects in a server-side control object hierarchy, and the operation of storing a postback data value comprises: storing postback data values for all of the member server-side control objects in the server side control object hierarchy; and raising at least one server-side data change event after the operation of storing a

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postback data value for all member server-side control objects, if at least one data change is indicated. However, it would have been obvious to of ordinary skill in the art at the time the invention was made to extend Ferris's system to store postback data values for all of the member server-side control objects and raise at least one server-side data change event.

19. As per claim 11, Ferris does not teach the method comprising receiving the server-side data change event from the target server-side control object; and invoking a function of a non-user-interface server component, based on the server side data change event. However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to extend Ferris's system to receive the server-side data change event and invoke a function of a non-user-interface server component.

20. As per claims 13, 14 and 15, Ferris does not teach the method wherein the operation of processing a postback event comprises: extracting from the postback input a postback event argument associated with the identifier; passing the postback event argument associated with the identifier to the target serverside control object; processing the postback event argument using the target server-side control object, the operation of processing a postback input further comprises: raising a server-side event from the target server-side control object, responsive to the operation of processing the postback event argument; receiving the server-side event from the target server-side control object; and invoking a function of a non-user-interface server component, based on the server-side. However, it would have been obvious to one of ordinary skill in the art at the time of the invention to extend the teachings of Ferris to include the above.

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21. As per claim 20, it is rejected on the same basis as claim 5.

Conclusion

23. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. "Control System Using Plural Objects, A Programming Method Therefore, and a Peripheral Devices Control System," by Kimura et al., US-6,108,717.

24. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sindya Narayanaswamy whose telephone number is (703) 305-9678. The examiner can normally be reached on 8 am to 5 pm, first Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (703) 305-9678. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 305-5404 for regular communications and (703) 305-5404 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

June 2, 2003

Sindya Narayanaswamy



MENG-AL T. AN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100